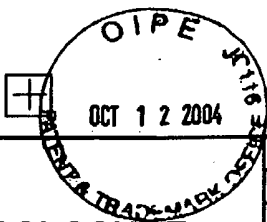


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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known

Application Number	09/937,292
Filing Date	January 25, 2002
First Named Inventor	Beaucage
Group Art Unit	1626
Examiner Name	T. Solola
Attorney Docket Number	213673

Sheet 1 Of 2

U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
YD	DE	4,950,745		Ishido et al.	Aug. 21, 1990	
	DF	5,519,126		Hecht	May 21, 1996	
	DG	5,639,867		Brill	June 17, 1997	
	DH	5,652,358		Pfleiderer et al.	July 29, 1997	
	DI	5,670,489		Baxter et al.	Sep. 23, 1997	
	DJ	5,703,218		Urdea et al.	Dec. 30, 1997	
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	DL	5,866,700		Pfleiderer et al.	Feb. 2, 1999	
	DM	5,889,165		Fodor et al.	Mar 30, 1999	
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	DP	6,022,963		McGall et al.	Feb. 8, 2000	
	DQ	6,043,060		Imanishi	Mar. 28, 2000	
✓	DR	US2001/0044529		Beaucage et al.	Nov. 22, 2001	

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation	
			Yes	No**
YD	DS	Barone et al., <i>Nuc. Acids. Res.</i> , 12 (10) 4051-4061 (1984) ✓		
	DT	Beaucage et al., <i>Annals of the N.Y. Acad. of Sciences</i> , 616, 483-485 (1990) ✓		
	DU	Beaucage et al., <i>Tetrahedron</i> , 48 (12) 2223-2311 (1992) ✓		
	DV	Beaucage, <i>Methods in Mol. Biol.</i> , 20: <i>Protocols for Oligonucleotides and Analogs, Synthesis and Properties</i> , 33-61, edited by Sudhir Agrawal, Totowa, N.J., Humana Press (1993) ✓		
	DW	Beaucage et al., <i>Current Protocols in Nucleic Acid Chemistry Vol. 1</i> , 3.3.1-3.3.19, John Wiley & Sons, (2000) ✓		
	DX	Bigg et al., <i>Synthesis: J. Synthetic Org. Chem.</i> , 277-278 (1992) ✓		
	DY	Boal et al., <i>Nuc. Acids. Res.</i> , 24 (15), 3115-3117 (1996) ✓		
	DZ	Finger et al., <i>J. Am. Chem. Soc.</i> , 2674-2675 (1959) ✓		
	EA	Gray et al., <i>J. Am. Chem. Soc.</i> , 81, 4351-4355 (1959) ✓		
	EB	Iyer et al., <i>J. Org. Chem.</i> , 55, 4693-4699 (1990) ✓		
	EC	Iyer, <i>Current Protocols in Nucleic Acid Chemistry, Vol. 1</i> , 2.1.1-2.1.17, John Wiley & Sons, (2000) ✓		
	ED	Lefebvre et al., <i>J. Med. Chem.</i> , 38, 3941-3950 (1995) ✓		
	EE	Martin, <i>Helv. Chim. Acta</i> , 78, 486-504 (1995) ✓	X+	
	EF	McBride et al., <i>J. Am. Chem. Soc.</i> , 108, 2040-2048 (1986) ✓		
	EG	Mizrahi et al., <i>Chem. Abs.</i> , 83, 454, 193184h, (1975) ✓		
	EH	Mizrahi et al., <i>Zh. Obs. Khim.</i> , 45 (3), 549-552 (March 1975) ✓	X	
✓	EI	Murphy et al., <i>Tetrahedron</i> , 47 (24), 4077-4088 (1991) ✓		

Examiner Signature

T. A. Solola

Date Considered

12-20-04

* A concise statement of relevance is being submitted in lieu of a translation. 37 CFR 1.98(a)(3).

+ An English-language equivalent/patent, or an English-language abstract, or an English-language version of the search report or action by a foreign patent office in a counterpart foreign application indicating the degree of relevance found by the foreign office is being submitted in lieu of a concise explanation of relevance under 37 CFR 1.98(a)(3).

